



# California Regional Water Quality Control Board

## San Diego Region



Arnold  
Schwarzenegger  
Governor

Linda S. Adams  
Secretary for  
Environmental  
Protection

Over 50 Years Serving San Diego, Orange, and Riverside Counties  
Recipient of the 2004 Environmental Award for Outstanding Achievement from USEPA

9174 Sky Park Court, Suite 100, San Diego, California 92123-4340  
(858) 467-2952 • Fax (858) 571-6972  
[http:// www.waterboards.ca.gov/sandiego](http://www.waterboards.ca.gov/sandiego)

May 20, 2010

Certified Mail No. 7009 1410 0002 2347 4787

Mr. Frank Quan  
City of Oceanside  
1540 Harbor Drive North  
Oceanside, CA 92051-1070

In reply, please refer to:

Certification	07C-022
Regulatory:	322076
Place:	647860
Party:	148180

**SUBJECT:** Action on Request for Clean Water Act Section 401 Water Quality Certification for the City of Oceanside Beach Opportunistic Beach Restoration Program, Water Quality Certification No. 07C-022

Dear Mr. Quan:

Enclosed is the Clean Water Act Section 401 Water Quality Certification for City of Oceanside Beach Opportunistic Beach Restoration Program. A description of the project and project location can be found in the project information sheet, project location map, and project site maps which are included as Attachments 1 through 5. Any petition for reconsideration of this Certification must be filed with the State Water Resources Control Board within 30 days of certification action (23 CCR § 3867). If no petition is received, it will be assumed that the City of Oceanside and will comply with all conditions of the Certification. Failure to comply with all conditions of this Certification may result in enforcement actions against the City of Oceanside.

The heading portion of this letter includes a Regional Board code number noted after "In reply, refer to." In order to assist us in the processing of your correspondence please include these codes number in the heading or subject line portion of all correspondence and reports to the Regional Board pertaining to this matter.

If you have any questions regarding this notification, please call Mike Porter directly at (858) 467-2726 or via email at [mporter@waterboards.ca.gov](mailto:mporter@waterboards.ca.gov).

Respectfully,

DAVID W. GIBSON  
Executive Officer

*California Environmental Protection Agency*

*The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our Web-site at <http://www.swrcb.ca.gov>.*

Recycled Paper



OHONVNO

Ms. Weldon  
401 Certification 07C-022

May 20, 2010

Enclosure:

Clean Water Act Section 401 Water Quality Certification No. 07C-022 for the  
Oceanside Beach Opportunistic Beach Restoration Program, with 5 attachments.

cc: See Attachment 2

*California Environmental Protection Agency*

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 *Recycled Paper*



# California Regional Water Quality Control Board

## San Diego Region



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Acting Secretary for  
Environmental  
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Action on Request  
for  
Clean Water Act Section 401 Water Quality Certification  
and  
Waste Discharge Requirements  
for  
Discharge of Dredged and/or Fill Materials

**PROJECT:** City of Oceanside Beach Opportunistic  
Beach Restoration Program  
Certification Number 07C-022

**APPLICANT:** Mr. Frank Quan  
City of Oceanside  
1540 Harbor Drive North  
Oceanside, CA 92051-1070

CIWQS	
Reg. Measure:	322076
Place:	647860
Party:	148180

**ACTION:**

<input type="checkbox"/> Order for Low Impact Certification	<input type="checkbox"/> Order for Denial of Certification
<input checked="" type="checkbox"/> Order for Technically-conditioned Certification	<input checked="" type="checkbox"/> Waiver of Waste Discharge Requirements
<input type="checkbox"/> Enrollment in SWRCB GWDR Order No. 2003-017 DWQ	<input type="checkbox"/> Enrollment in Isolated Waters Order No. 2004-004 DWQ

**PROJECT DESCRIPTION:**

The proposed project is the placement of up to 150,000-yd<sup>3</sup> of sand per year (for no more than five years) on South Oceanside Beach for beach sand nourishment. The sand would be placed as a beach berm and as low tide mound placement. Placement would occur from September through March. Beach-quality sand would be opportunistically-sourced from upland and dredging sites and stored at the City-owned El Corazon Quarry site in Oceanside until placed on the beach.

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Recycled Paper



0400110

The sand will not contain more than 25% fine-grained sediment. The proposed sand placement site is the same site used by SANDAG for the Regional Beach Sand Project that placed 421,000-yd<sup>3</sup> of sand during August and September of 2001.

**STANDARD CONDITIONS:**

The following three standard conditions apply to all certification actions, except as noted under Condition 3 for denials (Action 3).

1. This certification action is subject to modification or revocation upon administrative or judicial review, including review and amendment pursuant to section 13330 of the California Water Code and section 3867 of Title 23 of the California Code of Regulations (23 CCR).
2. This certification action is not intended and must not be construed to apply to any discharge from any activity involving a hydroelectric facility requiring a Federal Energy Regulatory Commission (FERC) license or an amendment to a FERC license unless the pertinent certification application was filed pursuant to 23 CCR subsection 3855(b) and the application specifically identified that a FERC license or amendment to a FERC license for a hydroelectric facility was being sought.
3. The validity of any non-denial certification action (Actions 1 and 2) must be conditioned upon total payment of the full fee required under 23 CCR section 3833, unless otherwise stated in writing by the certifying agency.

**ADDITIONAL CONDITIONS:**

In addition to the three standard conditions, the City of Oceanside must satisfy the following:

**A. GENERAL CONDITIONS:**

1. The City of Oceanside must, at all times, fully comply with the engineering plans, specifications and technical reports submitted to the California Regional Water Quality Control Board, San Diego Region (Regional Board), to support this 401 Water Quality Certification and all subsequent submittals required as part of this certification and as described in Attachment 1. The conditions within this certification must supersede conflicting provisions within such plans submitted prior to the certification action. Any modifications thereto, would require notification to the Regional Board and reevaluation for individual Waste Discharge Requirements and/or certification amendment.

2. During construction, the City of Oceanside must maintain a copy of this certification at the project site so as to be available at all times to site personnel and agencies.
3. The City of Oceanside must permit the Regional Board or its authorized representative at all times, upon presentation of credentials:
  - a. Entry onto project premises, including all areas on which wetland fill or wetland mitigation is located or in which records are kept.
  - b. Access to copy any records required to be kept under the terms and conditions of this certification.
  - c. Inspection of any treatment equipment, monitoring equipment, or monitoring method required by this certification.
  - d. Sampling of any discharge or surface water covered by this Order.
4. The City of Oceanside must notify the Regional Board within 24 hours of any unauthorized discharge, including hazardous or toxic materials, to waters of the U.S. and/or State; measures that were implemented to stop and contain the discharge; measures implemented to clean-up the discharge; the volume and type of materials discharged and recovered; and additional best management practice (BMPs) or other measures that will be implemented to prevent future discharges.
5. The City of Oceanside must, at all times, maintain appropriate types and sufficient quantities of materials onsite to contain any spill or inadvertent release of materials that may cause a condition of pollution or nuisance if the materials reach waters of the U.S. and/or State.
6. This Certification is not transferable to any person except after notice to the Executive Officer of the Regional Board. The City of Oceanside must notify the Regional Board of any change in ownership of the project area. Notification must include, but not be limited to, a statement that the property owner has provided the purchaser with a copy of the Section 401 Water Quality Certification and that the purchaser understands the permit requirements and must implement them; the seller and purchaser must sign and date the notification. The notification for transfer of mitigation responsibility must include a signed statement from the new party demonstrating acceptance and understanding of the responsibility to meet the mitigation conditions and applicable requirements of the Certification. Notification must be provided within 10 days of the sale of the property.
7. In the event of any violation or threatened violation of the conditions of this certification, the violation or threatened violation must be subject to any remedies, penalties, process or sanctions as provided for under State law. For purposes of section 401(d) of the Clean Water Act, the applicability of any

State law authorizing remedies, penalties, process or sanctions for the violation or threatened violation constitutes a limitation necessary to assure compliance with the water quality standards and other pertinent requirements incorporated into this certification.

8. In response to a suspected violation of any condition of this certification, the Regional Board may require the holder of any permit or license subject to this certification to furnish, under penalty of perjury, any technical or monitoring reports the Regional Board deems appropriate, provided that the burden, including costs, of the reports must bear a reasonable relationship to the need for the reports and the benefits to be obtained from the reports.
9. In response to any violation of the conditions of this certification, the Regional Board may add to or modify the conditions of this certification as appropriate to ensure compliance.
10. The City of Oceanside and successor owners must submit annual progressive reports to the Regional Board prior to August 1 of each year following the issuance of this certification until the project has reached completion.
11. Certification 07C-022 expires 5 years from issuance.

**B. PROJECT CONDITIONS:**

1. Prior to the start of the project, and annually thereafter, the City of Oceanside must educate all personnel on the requirements in this certification, pollution prevention measures, spill response, and BMP implementation and maintenance.
2. The City of Oceanside must comply with the requirements of Regional Board Resolution No. R9-2007-0104, Conditional Waiver 6.I.A. - Discharges of Dredged or Fill Materials Nearby or Within Surface Waters. These waivers of Waste Discharge Requirements are accessible at:  
[http://www.waterboards.ca.gov/sandiego/board\\_decisions/waivers/index.shtml](http://www.waterboards.ca.gov/sandiego/board_decisions/waivers/index.shtml)  
!
3. The City of Oceanside must notify the Regional Board in writing at least 5 days prior to the actual commencement of dredge, fill, and discharge activities.
4. The City of Oceanside must comply with the requirements of State Water Resources Control Board Water Quality Order No. 99-08-DWQ, the NPDES General Permit for Storm Water Discharges Associated with Construction Activity.

5. Water containing mud, silt, or other pollutants from equipment washing or other activities, must not be discharged to waters of the United States and/or the State or placed in locations that may be subjected to storm flows. Pollutants discharged to areas within a stream diversion area must be removed at the end of each work day or sooner if rain is predicted.
6. Substances hazardous to aquatic life including, but not limited to, petroleum products, raw cement/concrete, asphalt, and coating materials, must be prevented from contaminating the soil and/or entering waters of the United States and/or State. BMPs must be implemented to prevent such discharges during each project activity involving hazardous materials.
7. The City of Oceanside must submit a notification to the Regional Board within 30 days of completion of the project. The final report should include photos of the completed project.

### C. PLACEMENT OF SEDIMENT

The proposed project must be implemented as described in the application, with the exception of limiting the discharge of fine-grained material to 25% or less. The proposed project must place not more than 150,000 cubic yards of sediment per year over a five year period. The sediment must not form a hardpan after placement. The sediment that will be placed on the beach must have less than 10% sand difference from the receiving beach and no negative aesthetic impact on the receiving beach or water.

#### 1. Sediment Quality

All sediment must be tested for hazardous wastes and material, and grain size distribution. All sediment that has potential sources of biostimulatory substances and bacteria, must be tested for biostimulatory substances and bacteria.

##### a. *Biostimulatory Substances*

The sediment must not contain biostimulatory substances in concentrations that exceed natural background levels.

##### b. *Hazardous Wastes and Material*

The sediment must not contain hazardous wastes or materials.

##### c. *Bacteria*

The sediment must not contain bacteria concentrations that affect the beneficial uses of the waters of the United States and/or State.

d. *Grain Size*

The sediment must contain no more than 10% of fine grained sediment. Fine grained sediment is defined as particles that are smaller than 0.074 millimeters or pass through the #200 sieve.

e. *Trash*

The sediment must be free of trash and debris.

f. *Color*

The sediment must reasonable match the color of natural beach sand after exposure to the marine environment.

2. Discharge/Compliance with Water Quality Control Plan

Discharges must comply with the California Ocean Plan and the Regional Board's Water Quality Control Plan (Basin Plan).

3. Protection of biological resources

a. *California grunion (Leuresthes tenuis)*

The project proposes to place sediment on the beach from March 1 to May 31; therefore the City of Oceanside must determine beach habitat suitability for grunion spawning. The applicant must comply with the Special Condition No. 6 of the Regional General Permit 67 – Beach Nourishment in Southern California with respect to protecting grunion (Corps File No. 200401896-JLB).

b. *California least tern (Sterna antillarum)*

No activities authorized under this certification will be conducted within 1,000 yards of a California least tern breeding colony from April 1 through September 30.

c. *Western Snowy Plover (Caradrius alexandrinus nivosus)*

No activities authorized under this certification will be conducted within 5000 yards of a Western Snowy Plover breeding colony from May 1 through September 30.

d. *Eelgrass (Zostera marina)*

The proposed project should avoid vegetated eelgrass area or potential eelgrass areas to the maximum extent feasible.

e. *Pismo Clam (Tivela stultorum)*

The City of Oceanside must contact the California Department of Fish and Game, Marine Region, prior to the survey to request current information on local populations and the appropriate methods in the project area.

f. *Areas of Special Biological Significance (ASBS)*

Turbidity plumes from sediment deposition outside an ASBS must not significantly alter natural water quality or harm marine aquatic life in an ASBS.

g. *Giant kelp (Macrocystis pyrifera) and surf grass.*

The transport (by wave or tidal actions) of placed sand must not affect the photosynthesis or reproduction of nearby kelp or surf grass.

4. Transport and Discharge Plan

The applicant's Transport and Discharge Plan must include the "Hauling Operations" and "Hazardous Materials Management" measures below in order to qualify for this certification:

a. *Hauling Operations*

- i. All trucks hauling sand or other loose materials must be covered or required to maintain at least two feet of freeboard.
- ii. All equipment engines must be maintained in good condition, in proper tune (according to manufacturer's specifications), and in compliance with all State and federal requirements.
- iii. All operations must be conducted in compliance with County Air Quality Management District requirements.

b. *Hazardous Materials Management*

- i. The Transport and Discharge Operations Plan must include a "Spill Prevention, Containment and Countermeasures Plan" that specifies fueling and equipment maintenance procedures to prevent spills and leaks, and containment and cleanup measures to be followed in the event of a spill.

- ii. All equipment must be inspected for leaks immediately prior to the start of beach operations, and regularly inspected thereafter until project completion. Vehicles with leaks must not enter the beach area.
- iii. Equipment must be cleaned and repaired (other than emergency repairs) at least 500 feet from the high tide line. All contaminated water, sludge, spill residue, or other hazardous compounds will be disposed of at a lawfully authorized designation.

#### 5. Qualitative Monitoring

Qualitative (visual) turbidity monitoring by an onshore observer from a high vantage point must be conducted during each day of construction (placement) and must not be greater than ambient beyond one-half mile offshore at or downcoast of the placement site. If visual monitoring indicates turbidity greater than ambient one-half mile from the discharge site (either offshore or downcoast) at any time for two (2) consecutive days, then:

- a. The monitor must immediately advise the Regional Board, Corps, and CDFG.
- b. The City of Oceanside must comply with any measures identified by the Regional Board, in consultation with other responsible agencies as appropriate, to mitigate project-related turbidity, including modifying or halting discharge.
- c. If turbidity persists on the third day, the monitor must commence daily water clarity testing and reporting to the Regional Board, Corps, and CDFG. Testing must consist of measuring transmission of light through the water using a turbidity meter. Daily testing must continue until no project-related turbidity is detectable (i.e., until offshore and downcoast readings return to ambient). Testing must be designed to document the areal extent and concentration of the turbidity plume at the time of day it is most developed, and must include at least: samples taken as close as practicable to the discharge site, one-half mile upcoast of the discharge site, one-half mile offshore from the discharge site, and one-half mile downcoast of the discharge site (minimum four samples). Sampling must be done at mid-depth in the water column. These sampling protocols may be modified with the Regional Board's written approval. The City of Oceanside must document logistical arrangements for such potential water quality sampling and must include draft quality assurance/quality control protocols.
- d. If turbidity is greater than ambient one-half mile from the discharge site (either offshore or downcoast) for five (5) consecutive days, the discharge must be halted or modified to reduce turbidity.

6. Quantitative Monitoring

Physical (grain size) testing shall be performed during beach placement to confirm the percentage of fine grained material (%passing the #200 sieve) being placed on the beach is within allowable limits. Samples shall be collected on the first and third days of beach placement during each week. During each sampling event, three samples will be collected from newly placed piles on the receiving beach, which will be composited together and tested. Results of the sampling will be included in the post-construction report.

**D. MITIGATION:**

The project is self-mitigating as the project will restore sand-based marine habitats, and recreational opportunities.

**E. PHOTO DOCUMENTATION PROCEDURE:**

1. The City of Oceanside, and its successors, must conduct photo documentation of the project site, including all areas of permanent and temporary impact, prior to and after project construction, and mitigation areas, including all areas of permanent and temporary impact, prior to and after project construction. Photo documentation must be conducted in accordance with the State Water Resources Control Board Standard Operating Procedure 4.2.1.4: Stream Photo Documentation Procedure, included as Attachment 5. In addition, photo documentation must include Geographic Positioning System (GPS) coordinates for each of the photo points referenced. The City of Oceanside must submit this information in a photo documentation report to the Regional Board with the Monitoring reports. The report must include a compact disc that contains digital files of all the photos (jpeg file type or similar). For this project, adequate photo documentation can be substituted for the photo documentation required for the State Water Resources Control Board Standard Operating Procedure 4.2.1.4: Stream Photo Documentation Procedure.

**F. GEOGRAPHIC INFORMATION SYSTEM REPORTING:**

1. The City of Oceanside must submit Geographic Information System (GIS) shape files of the impact within 30 days of project impacts. All impact and mitigation areas shapefiles must be polygons. Two GPS readings (points) must be taken on each line of the polygon and the polygon must have a minimum of 10 points. GIS metadata must also be submitted.

**H. REPORTING:**

1. All information requested in this Certification is pursuant to California Water Code (CWC) section 13267. Civil liability may be administratively imposed by the Regional Board for failure to furnish requested information pursuant to CWC section 13268.
2. All reports and information submitted to the Regional Board must be submitted in both hardcopy and electronic format. The preferred electronic format for each report submission is one file in PDF format that is also Optical Character Recognition (OCR) capable.
3. The City of Oceanside must submit a report to the Regional Board within 30 days of completion of the project. The report should include as-built drawings no bigger than 11" x 17" and photos of the completed project including post-construction BMPs.
4. All applications, reports, or information submitted to the Regional Board must be signed and certified as follows:
  - a. For a corporation, by a responsible corporate officer of at least the level of vice president.
  - b. For a partnership or sole proprietorship, by a general partner or proprietor, respectively.
  - c. For a municipality, or a state, federal, or other public agency, by either a principal executive officer or ranking elected official.
5. A duly authorized representative of a person designated in Items 4.a. through 4.c. above may sign documents if:
  - a. The authorization is made in writing by a person described in Items 4.a. through 4.c. above.
  - b. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated activity.
  - c. The written authorization is submitted to the Regional Board Executive Officer.
6. All applications, reports, or information submitted to the Regional Board must be signed and certified as follows:

*"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."*

7. The City of Oceanside must submit reports required under this certification, or other information required by the Regional Board, to:  
Executive Officer  
California Regional Water Quality Control Board  
San Diego Region  
Attn: 401 Certification; Project No. 07C-022  
9174 Sky Park Court, Suite 100  
San Diego, California 92123
6. Required Reports: The following list summarizes the reports, excluding spill notifications and emergency situations, required per the conditions of this Certification to be submitted to the Regional Board.

Report Topic	Certification Condition	Due Date(s)
Unauthorized discharge	A.4	Within 24 hours of the unauthorized discharge
Annual Progress Reports	A.10	Prior to December 1 of each year until the project is complete
Notification	B.3	At least 5 days prior to commencement of construction
Notification	B.7	Within 30 days of completion of the project
Final Report	B.7	After post-construction monitoring is completed.
Sampling and Analysis Plan	C.	Approval needed before each placement
Photo Documentation	E.1	With Monitoring reports
GIS	F.1	Annually

**PUBLIC NOTIFICATION OF PROJECT APPLICATION:**

On March 12, 2007, receipt of the project application was posted on the Regional Board web site to serve as appropriate notification to the public. No comments were received from the public.

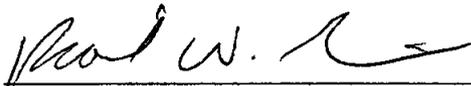
**REGIONAL WATER QUALITY CONTROL BOARD CONTACT PERSON:**

Mike Porter  
California Regional Water Quality Control Board, San Diego Region  
9174 Sky Park Court, Suite 100  
San Diego, CA 92123  
858-467-2726  
mporter@waterboards.ca.gov

**WATER QUALITY CERTIFICATION:**

I hereby certify that the proposed discharge from the **City of Oceanside Beach Opportunistic Beach Restoration Program** (Project No. 07C-022) will comply with the applicable provisions of sections 301 ("Effluent Limitations"), 302 ("Water Quality Related Effluent Limitations"), 303 ("Water Quality Standards and Implementation Plans"), 306 ("National Standards of Performance"), and 307 ("Toxic and Pretreatment Effluent Standards") of the Clean Water Act. This discharge is also regulated under State Water Board Order No. 2003-0017-DWQ, "Statewide General Waste Discharge Requirements for Dredged or Fill Discharges that have Received State Water Quality Certification (General WDRs)," which requires compliance with all conditions of this Water Quality Certification. Please note that enrollment under Order No. 2003-017 DWQ is conditional and, should new information come to our attention that indicates a water quality problem, the Regional Board may issue waste discharge requirements at that time.

Except insofar as may be modified by any preceding conditions, all certification actions are contingent on (a) the discharge being limited and all proposed mitigation being completed in strict compliance with the applicants' project description and/or on the attached Project Information Sheet, and (b) on compliance with all applicable requirements of the Regional Water Quality Control Board's Water Quality Control Plan (Basin Plan).

  
\_\_\_\_\_  
DAVID W. GIBSON  
Executive Officer  
Regional Water Quality Control Board

5-20-2010  
Date

- Attachments:
1. *Project Information*
  2. Distribution List
  3. Location Map
  4. Site Map
  5. Photodocumentation Procedure

**ATTACHMENT 1  
PROJECT INFORMATION**

Applicant: Mr. Frank Quan  
City of Oceanside  
1540 Harbor Drive North  
Oceanside, CA 92051-1070  
Telephone: 760-435-4007  
Fax: 760-757-1726  
Email: FQuan@ci.oceanside.ca.us

Applicant  
Representatives: Mr. Brian Leslie,  
Coastal Scientist  
Moffatt & Nichol  
1660 Hotel Circle North, Suite 200  
San Diego, CA 92108  
Telephone: 619-200-6050  
Fax: 619-200-6055  
Email: bleslie@moffattnichol.com

Project Name: City of Oceanside Beach Opportunistic Beach Restoration  
Program.

Project Location: The proposed project is located on Oceanside Beach, within  
the City of Oceanside, north-coastal San Diego County.

Type of Project: Placement of opportunistically derived sediment for beach  
restoration.

Project Description: The proposed project is the placement of up to 150,000-yd<sup>3</sup> of  
sand per year (for no more than five years) on South  
Oceanside Beach for beach sand nourishment. The sand  
would be placed as a beach berm and as low tide mound  
placement. Placement would occur from September through  
March. Beach-quality sand would be opportunistically-  
sourced from upland and dredging sites and stored at the  
City-owned El Corazon Quarry site in Oceanside until placed  
on the beach. The sand will not contain more than 25% fine-  
grained sediment. The proposed sand placement site is the  
same site used by SANDAG for the Regional Beach Sand  
Project that placed 421,000-yd<sup>3</sup> of sand during August and  
September of 2001.

Federal  
Agency/Permit: U.S. Army Corps of Engineers §404 and §10, Mr. Robert  
Smith.

- Other Required Regulatory Approvals: California Coastal Commission, Coastal Development Permit, Mr. Lee McEachern.
- California State Lands Commission, Lease of State Lands, Mr. Ken Foster.
- California Environmental Quality Act (CEQA) Compliance: Final Mitigated Negative Declaration, San Compatibility & Opportunistic Use Program (SCOUP) Pilot Project Site, City of Oceanside, prepared by EDAW, Inc., November 2005, State Clearing House Number #2005081136.
- Receiving Water: Pacific Ocean.
- Impacted Waters of the United States: The proposed project will temporarily impact ~5.8-acres (4,800-linear feet) to coastal waters of the U.S.
- Dredge Volume: None proposed.
- Related Projects Implemented/to be Implemented by the Applicant(s): The proposed sand placement site is the same site used by SANDAG for the Regional Beach Sand Project that placed 421,000-yd<sup>3</sup> of sand during August and September of 2001.
- Compensatory Mitigation: The project is self-mitigating as the project will restore sand-based marine habitats, and recreational opportunities, therefore compensatory mitigation is not proposed.
- Best Management Practices (BMPs): During construction, the following BMPs for the project must include, but not be limited to:
- All trucks hauling sand or other loose materials shall be covered or required to maintain at least two feet of freeboard.
  - All equipment engines shall be maintained in good condition, in proper tune (according to manufacturer's specifications), and in compliance with all State and federal requirements.
  - All operations shall be conducted in compliance with County Air Quality Management District requirements.
  - The Transport and Discharge Operations Plan shall include a "Spill Prevention, Containment and Countermeasures Plan" that specifies

fueling and equipment maintenance procedures to prevent spills and leaks, and containment and cleanup measures to be followed in the event of a spill.

- All equipment shall be inspected for leaks immediately prior to the start of beach operations, and regularly inspected thereafter until project completion. Vehicles with leaks shall not enter the beach area.
- Equipment shall be cleaned and repaired (other than emergency repairs) at least 500 feet from the high tide line. All contaminated water, sludge, spill residue, or other hazardous compounds will be disposed of at a lawfully authorized designation.

Public Notice: On March 12, 2007, receipt of the project application was posted on the Regional Board web site to serve as appropriate notification to the public.

Fees: Total Due: \$500.00  
Total Paid: \$500.00 (Check No. 91205)

CIWQS: Regulatory: 322076  
Place: 647860  
Party: 148140  
Person: 290492

**ATTACHMENT 2  
DISTRIBUTION LIST**

Mr. Robert Smith  
U.S. Army Corps of Engineers  
San Diego Field Office  
6010 Hidden Valley Road  
Suite 105  
Carlsbad, CA 92011  
Robert.R.Smith@spl01.usace.army.mil

Ms. Marilyn Fluharty  
California Department of Fish and Game  
South Coast Region  
Habitat Conservation Planning – North  
4949 Viewridge Avenue  
San Diego, CA 92123

Mr. Eric Raffini  
Wetlands Regulatory Office  
U.S. Environmental Protection Agency, Region 9  
75 Hawthorne Street  
San Francisco, CA 94105  
R9-WTR8-Mailbox@epa.gov

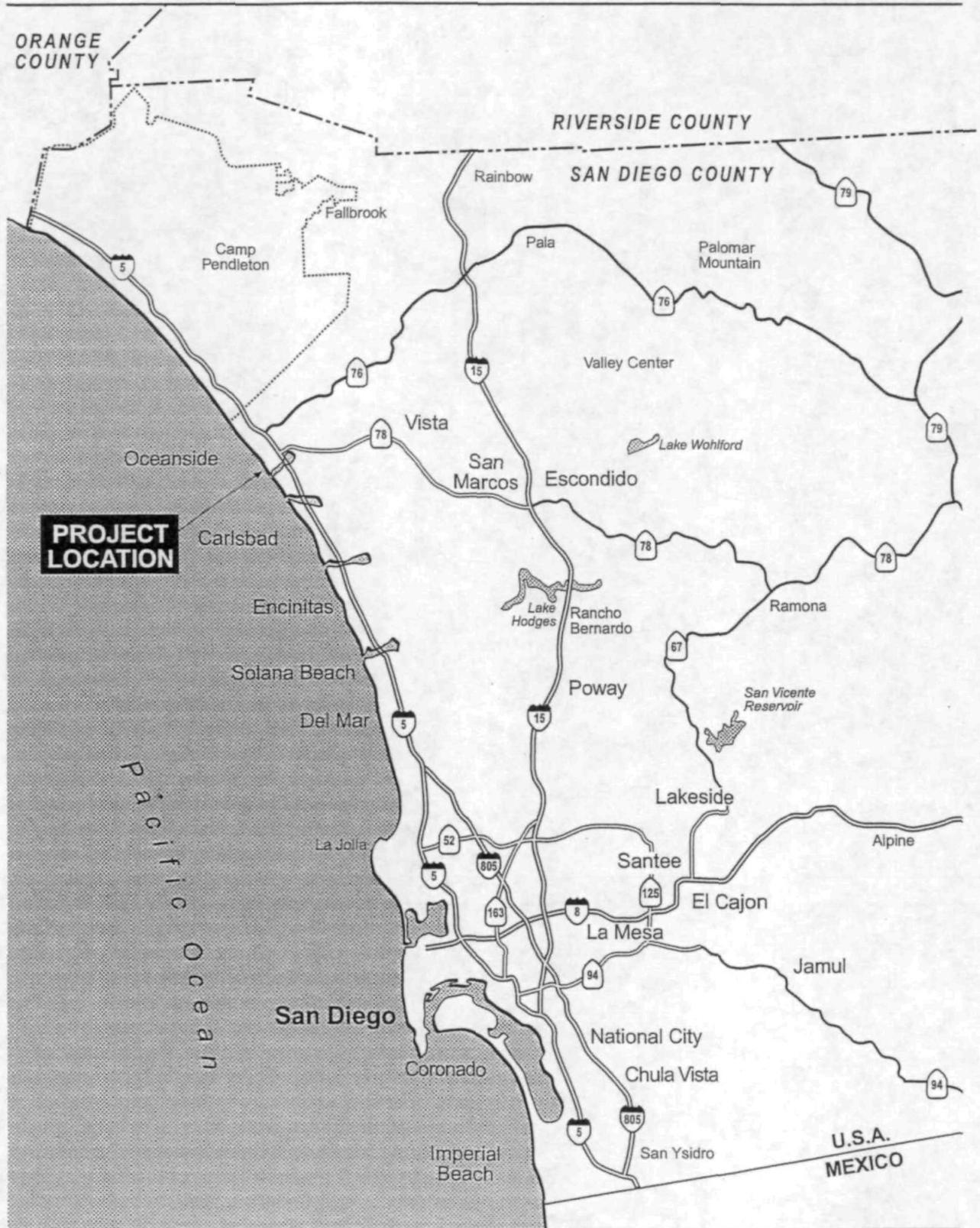
State Water Resources Control Board  
Division of Water Quality  
401 Water Quality Certification and Wetlands Unit  
P.O. Box 100  
Sacramento, CA 95812-0100  
Stateboard401@waterboards.ca.gov

U.S. Department of the Interior  
Fish and Wildlife Service  
6010 Hidden Valley Road  
Carlsbad, CA 92011

Mr. Brian Leslie,  
Coastal Scientist  
Moffatt & Nichol  
1660 Hotel Circle North, Suite 200  
San Diego, CA 92108

**ATTACHMENT 3**

LOCATION MAP



**PROJECT  
LOCATION**

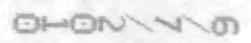


No Scale

**Figure 1  
Regional Location Map**

Oceanside SCOUP MND

P:\2004\04080095 SCOUP Beach Nourishment\6Graphics\Figures\Fig1 regmap\_SCOUP MND.fh11 (dbrady) 8/10/05



**ATTACHMENT 4**

**SITE MAPS**

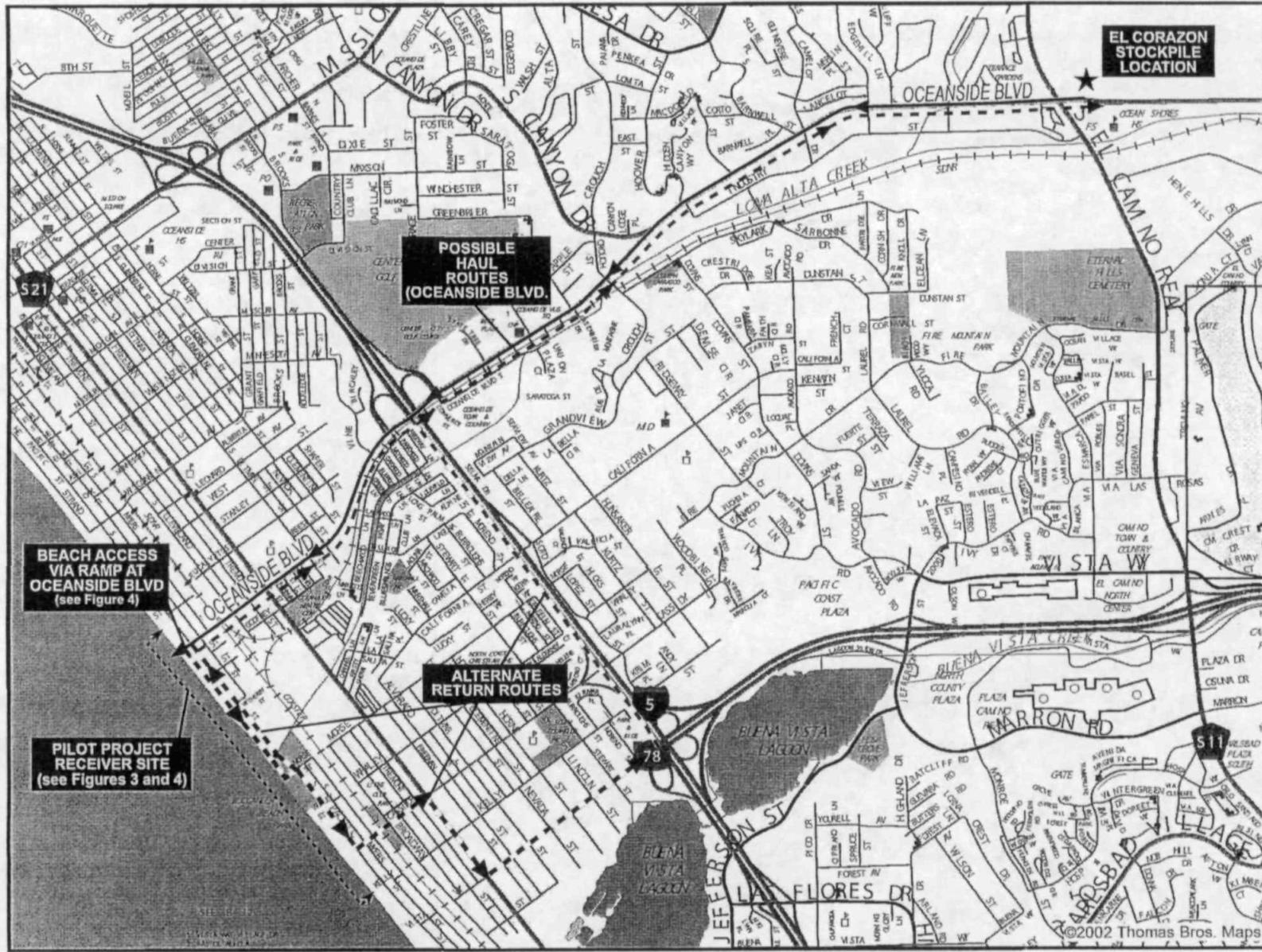
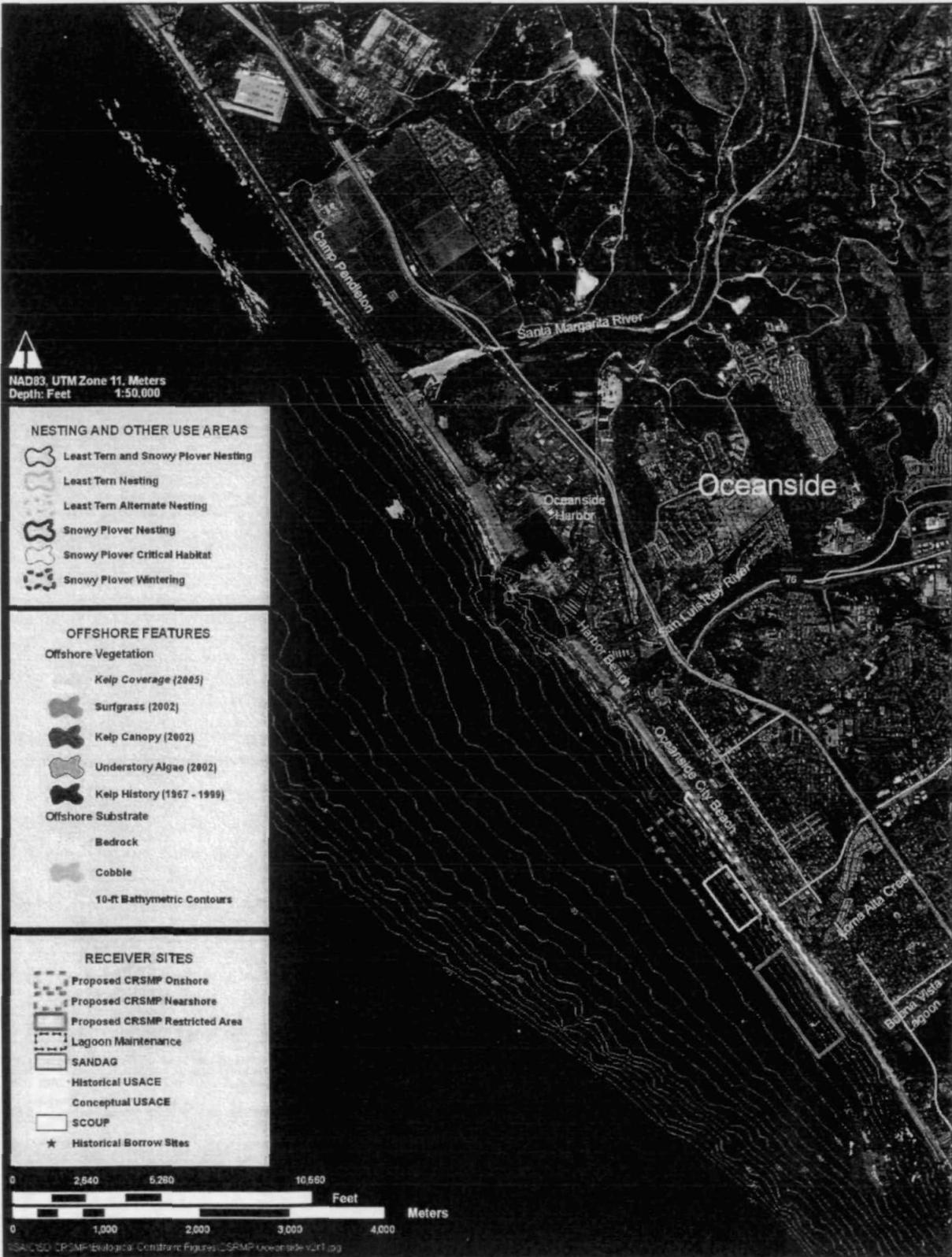


Figure 2  
Proposed Project Features



P:\2004\04\08\0093 SCoup Beach Nourishment\Graphics\Figures\Fig3 CrossSections.plt1 (dbrady) 5/25/05  
 OceanSide SCoup MND

01/02/07/06

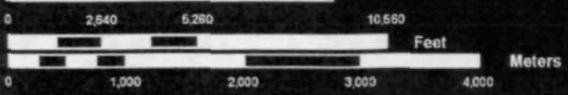


  
 NAD83, UTM Zone 11, Meters  
 Depth: Feet 1:50,000

- NESTING AND OTHER USE AREAS**
-  Least Tern and Snowy Plover Nesting
  -  Least Tern Nesting
  -  Least Tern Alternate Nesting
  -  Snowy Plover Nesting
  -  Snowy Plover Critical Habitat
  -  Snowy Plover Wintering

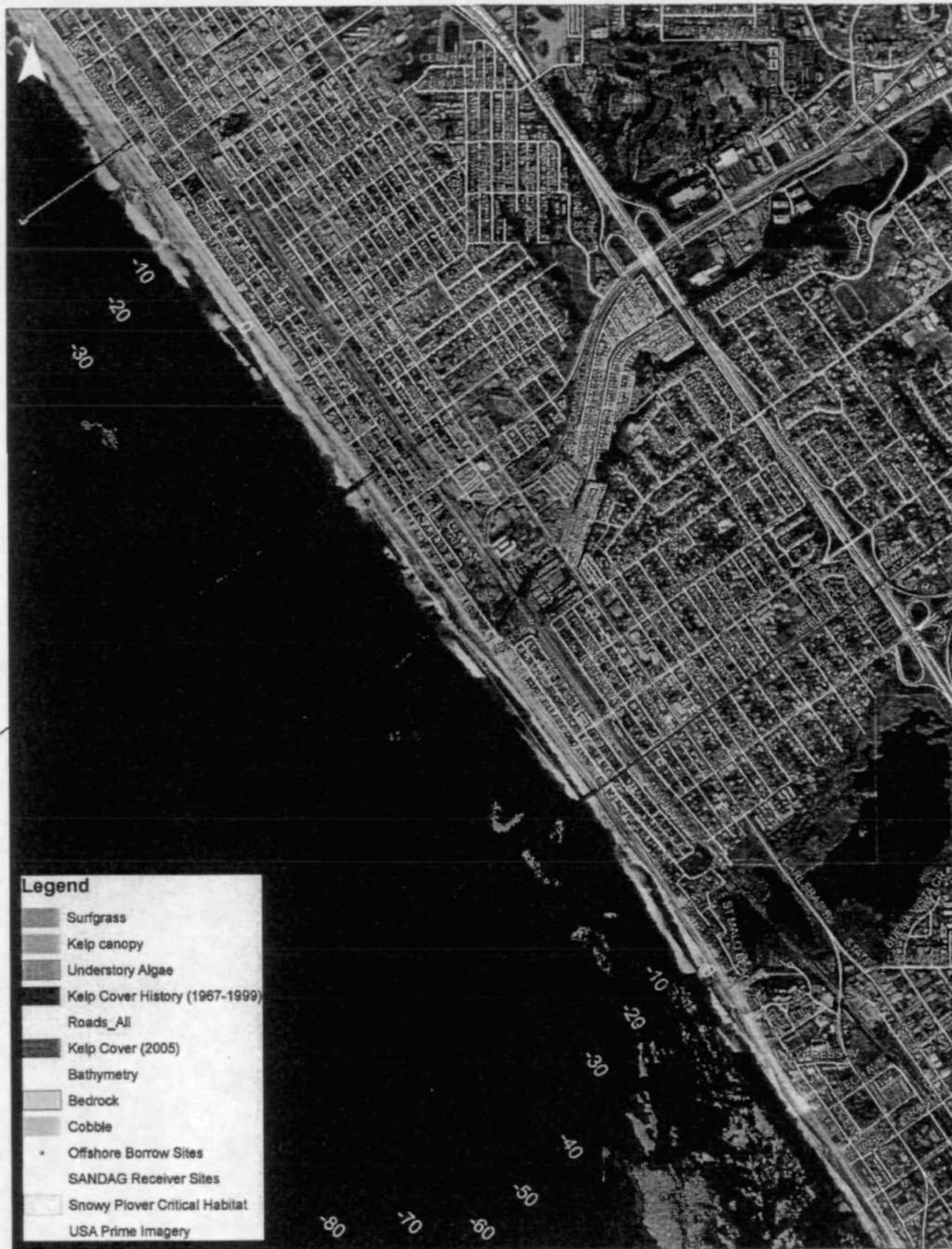
- OFFSHORE FEATURES**
- Offshore Vegetation**
-  Kelp Coverage (2005)
  -  Surfgrass (2002)
  -  Kelp Canopy (2002)
  -  Understory Algae (2002)
  -  Kelp History (1967 - 1999)
- Offshore Substrate**
-  Bedrock
  -  Cobble
  -  10-ft Bathymetric Contours

- RECEIVER SITES**
-  Proposed CRSMP Onshore
  -  Proposed CRSMP Nearshore
  -  Proposed CRSMP Restricted Area
  -  Lagoon Maintenance
  -  SANDAG
  -  Historical USACE
  -  Conceptual USACE
  -  SCOUP
  -  Historical Borrow Sites



S:\AIC\50\_CPSMP-Biological\_Consulting\_Figures\CPSMP-Oceanside\_v2.r1.jpg

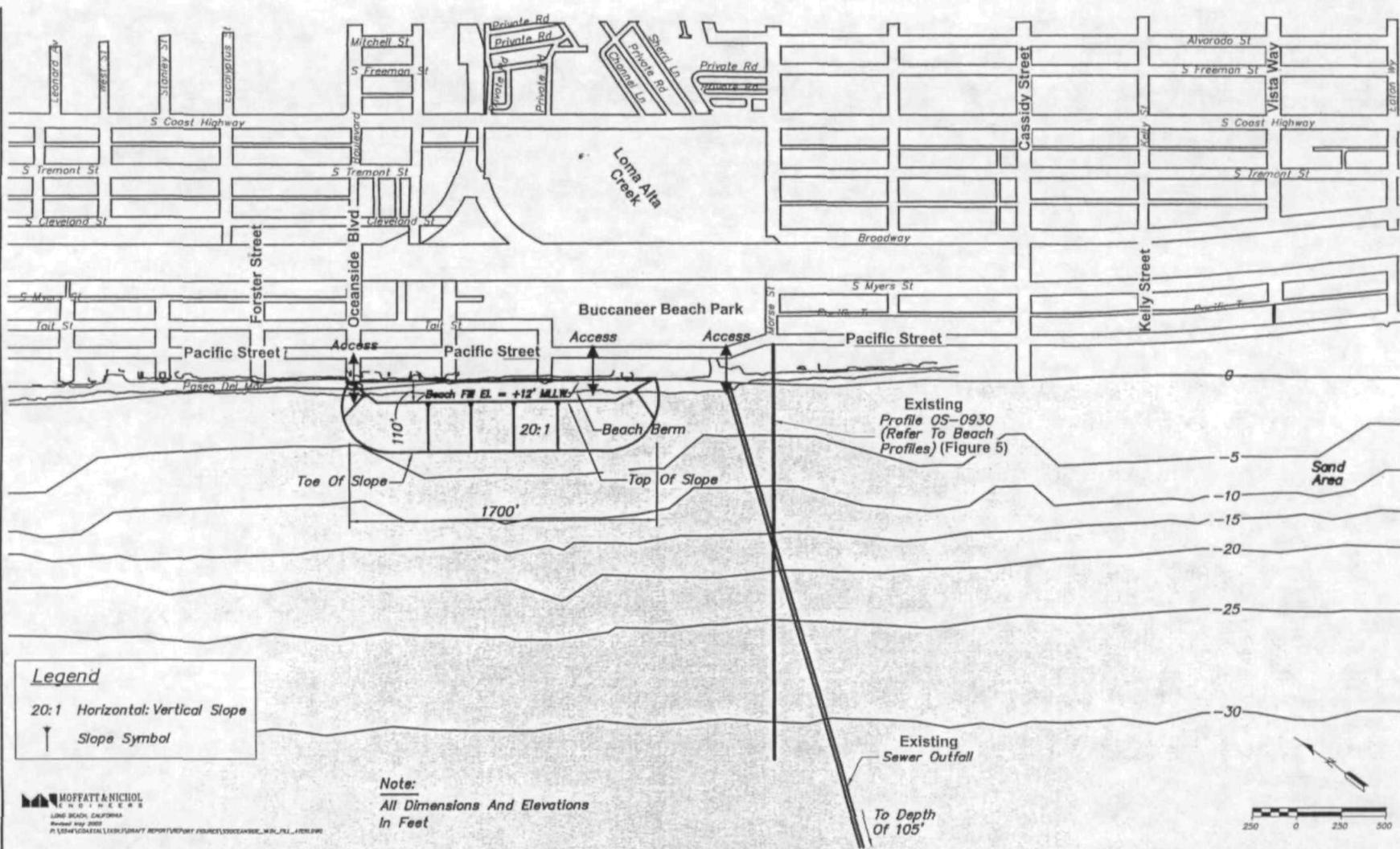
Figure 5: North Coastal Habitats



Forster St  
 Area of sand placement  
 Kelly Street

0 2,500 5,000 Feet

625' 1250'



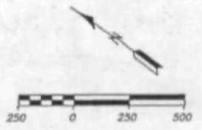
**Legend**

20:1 Horizontal: Vertical Slope

↑ Slope Symbol

**MOFFATT & NICHOL**  
 ENGINEERS  
 LONG BEACH, CALIFORNIA  
 Revised May 2005  
 P:\2004\04080093\SCOU\Bch\Drawings\Graphics\Figures\Fig3 Site plan\Fig3

**Note:**  
 All Dimensions And Elevations  
 In Feet



Source: Moffatt & Nichol, Engineers 2005

**Figure 3**  
 Site Plan for Potential Beach Fill - Option 1

P:\2004\04080093\SCOU\Bch\Drawings\Graphics\Figures\Fig3 Site plan\Fig3 (drawn) 8/1/05

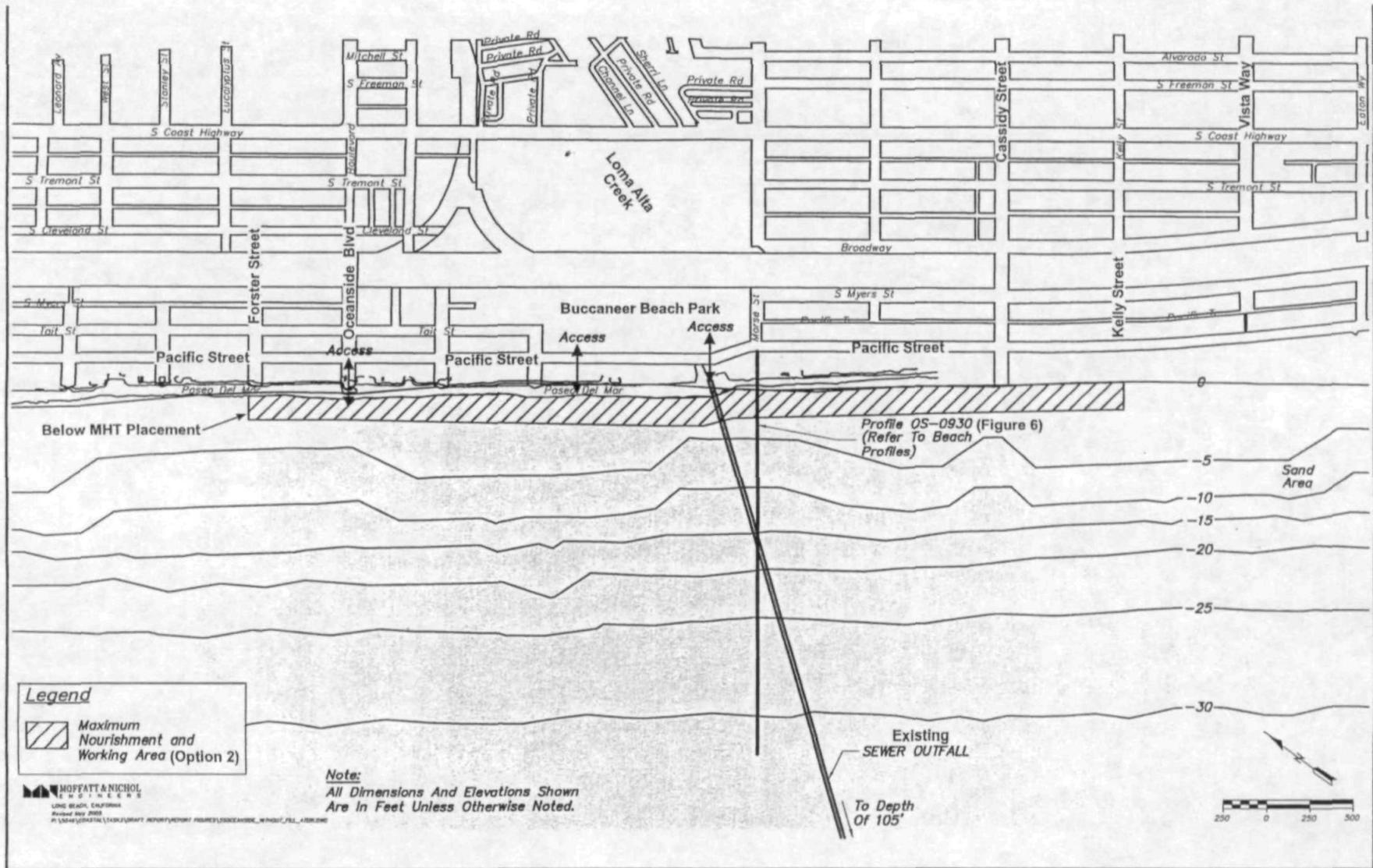
Oceanside SCOU MND

0102/7/6

P:\2004\040800095 SCoup Beach Nourishment\Graphics\Figures\Fig4 site plan.j11 (broadly) 8/10/05

Oceanside SCoup MND

01-10-07-9



Source: Moffatt & Nichol, Engineers 2005

Figure 4  
Site Plan for Potential Beach Fill - Option 2

Amended Certification No. 07C-022

**ATTACHMENT 5**

PHOTODOCUMENTATION PROCEDURE

## Standard Operating Procedure (SOP) 4.2.1.4

### Photo Documentation Procedure

(CARCD 2001, Written by TAC Visual Assessments work group)

#### **Introduction:**

Photographs provide a qualitative, and potentially semi-quantitative, record of conditions in a watershed or on a water body. Photographs can be used to document general conditions on a reach of a stream during a stream walk, pollution events or other impacts, assess resource conditions over time, or can be used to document temporal progress for restoration efforts or other projects designed to benefit water quality. Photographic technology is available to anyone and it does not require a large degree of training or expensive equipment. Photos can be used in reports, presentations, or uploaded onto a computer website or GIS program. This approach is useful in providing a visual portrait of water resources to those who may never have the opportunity to actually visit a monitoring site.

#### **Equipment:**

Use the same camera to the extent possible for each photo throughout the duration of the project. Either 35 mm color or digital color cameras are recommended, accompanied by a telephoto lens. If you must change cameras during the program, replace the original camera with a similar one comparable in terms of media (digital vs. 35 mm) and other focal length characteristics. A complete equipment list is suggested as follows:

#### Required:

- Camera and backup camera
- Folder with copies of previous photos (do not carry original photos in the field)
- Topographic and/or road map
- Aerial photos if available
- Compass
- Timepiece
- Extra film or digital disk capacity (whichever is applicable)
- Extra batteries for camera (if applicable)
- Photo-log data sheets or, alternatively, a bound notebook dedicated to the project
- Yellow photo sign form and black marker, or, alternatively, a small black board and chalk

#### Optional:

- GPS unit
- Stadia rod (for scale on landscape shots)
- Ruler (for scale on close up views of streams and vegetation)
- Steel fence posts for dedicating fixed photo points in the absence of available fixed landmarks

**How to Access Aerial Photographs:**

Aerial Photos can be obtained from the following federal agencies:

USGS Earth Science Information Center  
507 National Center  
12201 Sunrise Valley Drive  
Reston, VA 22092  
800-USA-MAPS

USDA Consolidated Farm Service Agencies  
Aerial Photography Field Office  
222 West 2300 South  
P.O. Box 30010  
Salt Lake City, UT 84103-0010  
801-524-5856

Cartographic and Architectural Branch  
National Archives and Records Administration  
8601 Adelphi Road  
College park, MD 20740-6001  
301-713-7040

**Roles and Duties of Team:**

The team should be comprised of a minimum of two people, and preferably three people for restoration or other water quality improvement projects, as follows:

1. Primary Photographer
2. Subject, target for centering the photo and providing scale
3. Person responsible for determining geographic position and holding the photo sign forms or blackboard.

One of these people is also responsible for taking field notes to describe and record photos and photo points.

**Safety Concerns:**

Persons involved in photo monitoring should **ALWAYS** put safety first. For safety reasons, always have at least two 2 volunteers for the survey. Make sure that the area(s) you are surveying either are accessible to the public or that you have obtained permission from the landowner prior to the survey.

Some safety concerns that may be encountered during the survey include, but are not limited to:

- Inclement weather
- Flood conditions, fast flowing water, or very cold water

- Poisonous plants (e.g.: poison oak)
- Dangerous insects and animals (e.g.: bees, rattlesnakes, range animals such as cattle, etc.)
- Harmful or hazardous trash (e.g.: broken glass, hypodermic needles, human feces)

We recommend that the volunteer coordinator or leader discuss the potential hazards with all volunteers prior to any fieldwork.

### **General Instructions:**

From the inception of any photo documentation project until it is completed, always take each photo from the same position (photo point), and at the same bearing and vertical angle at that photo point. Photo point positions should be thoroughly documented, including photographs taken of the photo point. Refer to copies of previous photos when arriving at the photo point. Try to maintain a level (horizontal) camera view unless the terrain is sloped. (If the photo can not be horizontal due to the slope, then record the angle for that photo.) When photo points are first being selected, consider the type of project (meadow or stream restoration, vegetation management for fire control, ambient or event monitoring as part of a stream walk, etc.) and refer to the guidance listed on *Suggestions for Photo Points by Type of Project*.

When taking photographs, try to include landscape features that are unlikely to change over several years (buildings, other structures, and landscape features such as peaks, rock outcrops, large trees, etc.) so that repeat photos will be easy to position. Lighting is, of course, a key ingredient so give consideration to the angle of light, cloud cover, background, shadows, and contrasts. Close view photographs taken from the north (i.e., facing south) will minimize shadows. Medium and long view photos are best shot with the sun at the photographer's back. Some artistic expression is encouraged as some photos may be used on websites and in slide shows (early morning and late evening shots may be useful for this purpose). Seasonal changes can be used to advantage as foliage, stream flow, cloud cover, and site access fluctuate. It is often important to include a ruler, stadia rod, person, farm animal, or automobile in photos to convey the scale of the image. Of particular concern is the angle from which the photo is taken. Oftentimes an overhead or elevated shot from a bridge, cliff, peak, tree, etc. will be instrumental in conveying the full dimensions of the project. Of most importance overall, however, is being aware of the goal(s) of the project and capturing images that clearly demonstrate progress towards achieving those goal(s). Again, reference to *Suggestions for Photo Points by Type of Project* may be helpful.

If possible, try to include a black board or yellow photo sign in the view, marked at a minimum with the location, subject, time and date of the photograph. A blank photo sign form is included in this document.

**Recording Information:**

Use a systematic method of recording information about each project, photo point, and photo. The following information should be entered on the photo-log forms (blank form included in this document) or in a dedicated notebook:

- Project or group name, and contract number (if applicable, e.g., for funded restoration projects)
- General location (stream, beach, city, etc.), and short narrative description of project's habitat type, goals, etc.
- Photographer and other team members
- Photo number
- Date
- Time (for each photograph)
- Photo point information, including:
  - Name or other unique identifier (abbreviated name and/or ID number)
  - Narrative description of location including proximity to and direction from notable landscape features like roads, fence lines, creeks, rock outcrops, large trees, buildings, previous photo points, etc. – sufficient for future photographers who have never visited the project to locate the photo point
  - Latitude, longitude, and altitude from map or GPS unit
- Magnetic compass bearing from the photo point to the subject
- Specific information about the subject of the photo
- Optional additional information: a true compass bearing (corrected for declination) from photo point to subject, time of sunrise and sunset (check newspaper or almanac), and cloud cover.

For ambient monitoring, the stream and shore walk form should be attached or referenced in the photo-log.

When monitoring the implementation of restoration, fuel reduction, or Best Management Practices (BMP) projects, include or attach to the photo-log a narrative description of observable progress in achieving the goals of the project. Provide supplementary information along with the photo, such as noticeable changes in habitat, wildlife, and water quality and quantity.

Archive all photos, along with the associated photo-log information, in a protected environment.

**The Photo Point: Establishing Position of Photographer:**

1. Have available a variety of methods for establishing position: maps, aerial photos, GPS, permanent markers and landmarks, etc. If the primary method fails (e.g., a GPS or lost marker post) then have an alternate method (map, aerial photo, copy of an original photograph of the photo-point, etc).

2. Select an existing structure or landmark (mailbox, telephone pole, benchmark, large rock, etc.), identify its latitude and longitude, and choose (and record for future use) the permanent position of the photographer relative to that landmark. Alternatively, choose the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the photographer.
3. For restoration, fuel reduction, and BMP projects, photograph the photo-points and carry copies of those photographs on subsequent field visits.

#### **Determining the Compass Bearing:**

1. Select and record the permanent magnetic bearing of the photo center view. You can also record the true compass bearing (corrected for declination) but do not substitute this for the magnetic bearing. Include a prominent landmark in a set position within the view. If possible, have an assistant stand at a fixed distance from both the photographer and the center of the view, holding a stadia rod if available, within the view of the camera; preferably position the stadia rod on one established, consistent side of the view for each photo (right or left side).
2. Alternatively, use the procedure described in *Monitoring California's Annual Rangeland Vegetation* (UC/DANR Leaflet 21486, Dec. 1990). This procedure involves placing a permanently marked steel fence post to establish the position of the focal point (photo center).
3. When performing ambient or event photo monitoring, and when a compass is not available, then refer to a map and record the approximate bearing as north, south, east or west.

#### **Suggestions for Photo Points by Type of Project:**

##### **Ambient or Event Monitoring, Including Photography Associated with Narrative Visual Assessments:**

1. When first beginning an ambient monitoring program take representative long and/or medium view photos of stream reaches and segments of shoreline being monitored. Show the positions of these photos on a map, preferably on the stream/shore walk form. Subjects to be photographed include a representative view of the stream or shore condition at the beginning and ending positions of the segment being monitored, storm drain outfalls, confluence of tributaries, structures (e.g., bridges, dams, pipelines, etc.).
2. If possible, take a close view photograph of the substrate (streambed), algae, or submerged aquatic vegetation.
3. Time series: Photographs of these subjects at the same photo points should be repeated annually during the same season or month if possible.

4. Event monitoring refers to any unusual or sporadic conditions encountered during a stream or shore walk, such as trash dumps, turbidity events, oil spills, etc. Photograph and record information on your photo-log and on your Stream and Shore Walk Visual Assessment form. Report pollution events to the Regional Board. Report trash dumps to local authorities.

### **All Restoration and Fuel Reduction Projects – Time Series:**

Take photos immediately before and after construction, planting, or vegetation removal. Long term monitoring should allow for at least annual photography for a minimum of three years after the project, and thereafter at 5 years and ten years.

#### **Meadow Restoration:**

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing an overlapping sequence of photos illustrating a long reach of stream and meadow (satellite photos, or hill close by, fly-over, etc.)
3. Long view up or down the longitudinal dimension of the creek showing riparian vegetation growth bounded on each side by grasses, sedges, or whatever that is lower in height
4. Long view of conversion of sage and other upland species back to meadow vegetation
5. Long view and medium view of streambed changes (straightened back to meandering, sediment back to gravel, etc.)
6. Medium and close views of structures, plantings, etc. intended to induce these changes

#### **Stream Restoration/stabilization:**

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long-view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view up or down the stream (from stream level) showing changes in the stream bank, vegetation, etc.
4. Long view and medium view of streambed changes (thalweg, gravel, meanders, etc.)
5. Medium and close views of structures, plantings, etc. intended to induce these changes.
6. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 3 and 4 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.

**Vegetation Management for Fire Prevention ("fuel reduction"):**

1. Aerial view (satellite or airplane photography) if available.
2. In the absence of an aerial view, a landscape, long view showing all or representative sections of the project (bluff, bridge, etc.)
3. Long view (wide angle if possible) showing the project area or areas. Preferably these long views should be from an elevated vantage point.
4. Medium view photos showing examples of vegetation changes, and plantings if included in the project. It is recommended that a person (preferably holding a stadia rod) be included in the view for scale
5. To the extent possible include medium and long view photos that include adjacent stream channels.

**Stream Sediment Load or Erosion Monitoring:**

1. Long views from bridge or other elevated position.
2. Medium views of bars and banks, with a person (preferably holding a stadia rod) in view for scale.
3. Close views of streambed with ruler or other common object in the view for scale.
4. Time series: Photograph during the dry season (low flow) once per year or after a significant flood event when streambed is visible. The flood events may be episodic in the south and seasonal in the north.
5. Optional: Use a tape set perpendicular across the stream channel at fixed points and include this tape in your photos described in 1 and 2 above. For specific procedures refer to Harrelson, Cheryl C., C.L. Rawlins, and John P. Potyondy, *Stream Channel Reference Sites: An Illustrated Guide to Field Techniques*, United States Department of Agriculture, Forest Service, Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-245.



PHOTO SIGN FORM: Print this form on yellow paper. Complete the following information for each photograph. Include in the photographic view so that it will be legible in the finished photo.

Location:

Subject Description:

Date:

Time:

**SENDER: COMPLETE THIS SECTION**

**COMPLETE THIS SECTION ON DELIVERY**

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Frank Quan  
 City of Oceanside  
 1540 North Harbor Dr  
 Oceanside, CA  
 92051-1070

Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1?  Yes  
 If YES, enter delivery address below:  No

3. Service Type

- Certified Mail
- Registered
- Insured Mail
- Express Mail
- Return Receipt for Merchandise
- C.O.D.

4. Restricted Delivery? (Extra Fee)  Yes

2. Article Number

(Transfer from service label)

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PS Form 3811, February 2004

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PLACE STICKER AT TOP OF ENVELOPE, TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.  
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 Oceanside CA 92051-1070

PS Form 3800, August 2006

See Reverse for Instructions